

**REMARKS**

Claims 1-112 are pending in this application. The Office Action asserts that there are multiple distinct inventions:

- I. Claims 1-26 drawn to 4-(dimethylamino)naphthalen-1-ylboronic acid or 6-(dimethylamino)naphthalen-2-ylboronic acid, 5-(dimethylamino)naphthalen-1-ylboronic acid;
- II. Claims 1-26 drawn to quinolin-8-ylboronic acid, quinolin-5-ylboronic acid, 2-(4-boronophenyl)quinoline-4-carboxylic acid, 2-((methylamino)methyl)quinolin-8-ylboronic acid;
- III. Claims 1-26 drawn to isoquinolin-4-ylboronic acid;
- IV. Claims 1-26 drawn to benzo[b]thiophen-2-ylboronic acid;
- V. Claims 1-26 drawn to compounds not included in Groups I, II, III, or IV;
- VI. Claims 27-63 drawn to modified-macromolecules having formula (II) incorporated therein;
- VII. Claims 64-109 drawn to a method of detecting an analyte;
- VIII. Claims 110, 112 drawn to an article comprising a modified-macromolecule of Group II; and,
- IX. Claim 111 drawn to an article comprising a compound having formula II (Group IX).

The Office Action asserts that Groups I-IX are independent or distinct of one another and there would be a serious search and examination burden if restriction were not required.

**ATTORNEY DOCKET NO. 24W01.1-011**  
**PATENT**

Applicants respectfully traverse the restriction. The compounds of Groups I-III have common structural features recited within formula I and formula II of claims 1 and 27, respectively. Furthermore, it would not be a serious burden on the Examiner to search Groups VI-IX, as these claims recite the use of compounds falling under formula II. However, if the Examiner is not persuaded by the arguments presented above, the Applicant elects with traverse claims 1-26 (Group II) drawn to quinolin-8-ylboronic acid, quinolin-5-ylboronic acid, 2-(4-boronophenyl)quinoline-4-carboxylic acid, 2-((methylamino)methyl)quinolin-8-ylboronic acid.

The Examiner is invited and encouraged to directly contact the undersigned if such contact may enhance the efficient prosecution of this application to issue.

No fee is believed to be due; however, the Commissioner is hereby authorized to charge any additional fees that may be required, or credit any overpayment to Deposit Account No. 50-1513.

Respectfully submitted,  
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